

Application No. 10/646,945 REMARKS
Art Unit: 1762
Examiner: Bashore

Remarks

Reconsideration of the rejection of the present application under 35 USC 103 is hereby requested.

Claims 19 – 21, 23-24, 28-30, 32, 36, 47-51, 58, 62-63, 75-77 stand rejected under 35 USC 103 as being unpatentable over Xu in view of Bethune et al. Claims 22, 31, 33, 52-57, 59-61, 67 and 74 stand rejected under 35 USC 103(a) as being unpatentable over Xu et al in view of Bethune et al and further in view of Smalley et al ('312). Claims 25-27, 37-40, 44-46 and 78-81 stand rejected under 35 USC 103 (a) as being unpatentable over Xu et al in view of Bethune et al and further in view of Walker et al. Claims 34-35, 42-43 stand rejected under 35 USC 103(a) as being unpatntable over Xu et al in view of Bethune et al and further in view of Ohmine.

Claims 41, 64-65 and 82 have been held allowable, but are objected to as being dependent upon a rejected base claim.

Independent claims 19, 44, 47, 53, 62 and 78 have now each been amended to recite further invention, the receiving of electromagnetic energy by at least one carbon nanotube, converting and radiating electromagnetic energy by a carbon nanotube. None of the prior art shows or suggest such

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teachings as is taught by this Application, and as recited in those amended independent claims. Those independent claims are hence believed allowable.

The claims depending upon those deemed allowable independent claims are themselves deemed allowable, None of the art, neither Xu et al, nor Bethune et al, nor Smalley et al nor Walker et al, nor Ohmine show or suggest any such receiving, converting and radiating of electromagnetic energy from a manufacture of carbon nanotubes on a substrate, as Applicant Crowley does in this Application.

Independent claim 53 has been amended to recite the growing of a first carbon nanotube from a first growth site and growing a second nanotube from that same first growth site. Nothing in the art teaches that growth of a nanotube from a single growth site. The dependent claims depending therefrom further recite the nature of the alignment of those nanotubes. Independent claim 53 and those depending therefrom are thus believed allowable, such action respectfully being requested.

Claims 64 – 77 inclusive have been cancelled as being superfluous.

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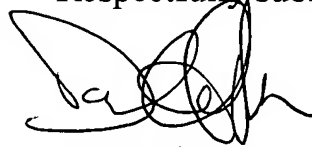
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It is believed that the claims remaining in this Application, as amended, are allowable over the art, and passage to allowance is solicited.

Should the Examiner believe that any issue remains unresolved, the Examiner is invited to call the undersigned for a discussion of same.

Respectfully submitted

A handwritten signature in black ink, appearing to read 'Don Halgren', is written over a horizontal line.

Don Halgren
Applicant's rep.
Reg. No. 27056

35 Central Street
Manchester, MA 01944

ph: 978-526-8000